

CLAIMS

1. Method in connection with the continuous joining of a first layer (10, 38) of a first material and a second layer (16, 40) of a second material, to produce a packaging laminate (44, 48) comprising said first and second layers, characterised in that a free surface of said first layer (10, 38) and/or a free surface of said second layer (16, 40) is subjected both to plasma treatment (24) and to flame treatment (20), where after said free surfaces are joined together (12, 14).
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2. Method according to claim 1, characterised in that said plasma treatment (24) is performed before said flame treatment (20).
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3. Method according to claim 1, characterised in that said flame treatment (20) is performed before said plasma treatment (24).
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4. Method according to any one of the preceding claims, characterised in that said flame treatment (20) is performed over essentially the entire free surface of said first (10, 38) and/or said second layer (16, 40), said first and/or second layers extending throughout the laminate (44, 48) that is produced.
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5. Method according to any one of the preceding claims, characterised in that said plasma treatment (24) is performed over essentially the entire free surface of said first (10, 38) and/or said second layer (16, 40), said first and/or second layers extending throughout the laminate (44, 48) that is produced.
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6. Method according to any one of the preceding claims, characterised in that said first layer (38) is an aluminum foil layer.
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7. Method according to any one of the preceding claims, characterised in that said second layer (40) is a film (16) of

adhesive material or thermoplastics, which preferably is extruded (18), before said treatment, preferably co-extruded together with a third, thermoplastic layer (42) which is to form an outermost layer on the inside of the packaging laminate (44, 48), said third layer preferably being a polyethylene layer and even more preferred a polyethylene layer comprising in the majority metallocene polyethylene.

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8. Method according to claim 7, characterised in a fourth, intermediate layer (46) of low density polyethylene being arranged between said second layer (40) and said third layer (42), said second, third and fourth layers preferably being co-extruded (18) with one another, before said treatment.

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9. Method according to any one of claims 1-3, characterised in that said first layer (38) is joined, before said treatment, with a bulk layer (30) of paper or paperboard, on a side of the first layer that is opposite to said free surface of the first layer (38), said bulk layer exhibiting through holes, openings or slits (32) that are covered by a membrane comprising said first layer (38) and subsequently being brought to comprise said second layer (40) when said first and second layers are joined together.

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10. Method according to claim 9, characterised in that said plasma treatment (24) is performed locally, at regions for said through holes, openings or slits (42), said plasma treatment preferably being performed intermittently on a continuously running web (10) comprising said first layer (38).

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11. Packaging laminate (44, 48) comprising a first layer (10, 38) of a first material and a second layer (16, 40) of a second material, characterised in that it has been produced by a method according to any one of claims 1-10.

12. Packaging container manufactured from the packaging laminate (44, 48) as specified in claim 11.
13. Packaging container according to claim 12, characterised in that it is provided with an opening arrangement applied onto the region of and around the membrane and the hole, opening or slit (32) provided according to claim 9.
14. Packaging container according to claim 13, characterised in that the opening arrangement comprises a screw top that is arranged to open the packaging container by removing the membrane from the region of the hole (32) by a combined screwing- and pulling-up motion.